

Attorney's Docket 076936-0307942  
Client Reference: 023.01US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of:  
Lorenzo M. Leoni

Confirmation No.: 1645

Application No.: 10/779,476

Group Art Unit: Not yet assigned

Filed: February 13, 2004

Examiner:

Title: COMPOSITIONS AND METHODS FOR THE DETECTION TREATMENT OF  
METHYLTHIOADENOSINE PHOSPHORYLASE DEFICIENT CANCERS

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing are the following:

1. Information Disclosure Statement;
2. Form PTO-1449 with cited references; and
3. Return Postcard.

The Commissioner is hereby authorized to charge any fee, including any submitted herewith, if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers,

or with this application during its entire pendency to or to credit any overpayment to Deposit Account 50-2212. A duplicate of this Transmittal is enclosed.

Respectfully submitted,  
PILLSBURY WINTHROP LLP



SUZANNE L. BIGGS  
Reg. No. 30,158

Date: January 11, 2005

11682 El Camino Real  
Suite 200  
San Diego, CA 92130-2092  
Phone: (619) 234-5000  
Fax: (858) 509-4010  
Customer Number: 27500

---

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10\***

(When using Express Mail, the Express Mail label number is *mandatory*; Express Mail certification is *optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: January 11, 2005

Signature



PATRICIA MUNOZ

(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

Docket Number: 076936-0307942

PATENT APPLICATION

Client Reference: 023.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

LORENZO M. LEONI

Group Art Unit: 1645

Application No.: 10/779,476

Examiner: Not yet assigned

Filed: February 13, 2004

Confirmation No.: 5542

For: COMPOSITIONS AND METHODS FOR THE DETECTION AND TREATMENT OF METHYLTHIOADENOSINE PHOSPHORYLASE DEFICIENT CANCERS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

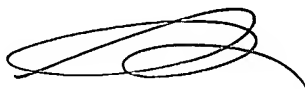
Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the reference(s) has been considered, per MPEP § 609.

This Information Disclosure Statement lists references cited in the International Search Report and Written Opinion for PCT International Application No. PCT/US04/004371, which was mailed December 12, 2004. A copy of the International Search Report and Written Opinion is attached.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

Certain of the reference(s) was/were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

Respectfully Submitted,



Suzanne L. Biggs  
Registration Number 30,58  
Customer Number: 27500

Date: January 11, 2005  
PILLSBURY WINTHROP LLP  
Telephone: (619) 234-5000  
Facsimile: (858) 509-4010  
11682 El Camino Real  
Suite 200  
San Diego, CA 92130-2092

---

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10\***

(When using Express Mail, the Express Mail label number is *mandatory*; *Express Mail certification is optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: January 11, 2005

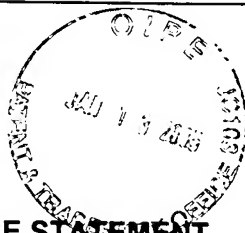
  
Signature

PATRICIA MUNOZ

(type or print name of person certifying)

\* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PW FORM PAT-1449)  
Patent and Trademark Office



Atty. Dkt. No.	M#	Client Ref.
	076936-0307942	023.01 US
Applicant: Lorenzo M. Leoni		
Appln. No.: 10/779,476		
Filing Date: February 13, 2004		
Examiner: Not yet assigned		Group Art Unit: 1645

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date: January 11, 2005

Page 1 Of 1

## U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					

## FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
					Enclosed	No
	ER	WO 95/17908	07/1995	PCT	Norobi, et al.	
	FR	WO 9518233	07/1995	PCT	Norobi, et al.	
	GR					

## OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

HR	Garcia-Castellano, J.M., et al., Methylthioadenosine Phosphorylase Gene Deletions Are Common in Osteosarcoma, <i>Clinical Cancer Research</i> , 8(3):782-787 (2002)				
IR	Norobi, T., et al., Genomic Cloning of Methylthioadenosine Phosphorylase: A Purine Metabolic Enzyme Deficient in Multiple Different Cancers, <i>Proc. Natl. Acad. Sci. USA</i> , 93(6):6303-6208 (*1996)				
JR	Nobori, T., et al., Absence of Methylthioadenosine Phosphorylase in Human Gliomas, <i>Cancer Research</i> , 51(6):3193-3197 (1991)				
KR	Ragione, F.D., et al., Physicochemical and Immunological Studies on Mammalian 5'-Deoxy-5'-methylthioadenosine Phosphorylase, <i>The Journal of Biological Chemistry</i> , 265(11):6241-6246 (1990)				
LR	Tanimoto, T., et al., Evaluation of Antibodies Reactive with Porcine Lymphocytes and Lymphoma Cells in Formalin-Fixed, Paraffin-Embedded, Antigen-Retrieved Tissue Sections, <i>AJVR</i> , 57(6):853-859 (1996)				
MR					
NR					

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.